

09/485,640

FILE 'REGISTRY' ENTERED AT 07:25:11 ON 02 OCT 2000
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STRUCTURE FILE UPDATES: 28 SEP 2000 HIGHEST RN 291743-61-8
DICTIONARY FILE UPDATES: 28 SEP 2000 HIGHEST RN 291743-61-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=>

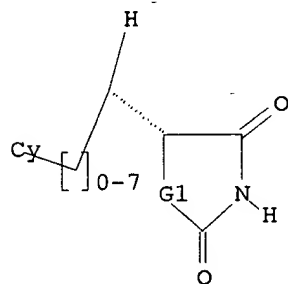
Uploading 09485640.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,S

G2 N,CH

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 07:25:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 612 TO ITERATE

100.0% PROCESSED 612 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 10757 TO 13723

L2 50 SEA SSS SAM L1

=> d scan

L2 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS

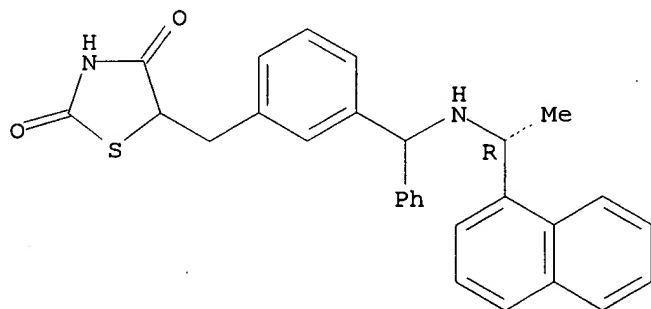
IN 2,4-Thiazolidinedione,

5-[[3-[[[(1R)-1-(1-naphthalenyl)ethyl]amino]phenylmethyl]phenyl]methyl]- (9CI)

MF C29 H26 N2 O2 S

CI COM

Absolute stereochemistry.

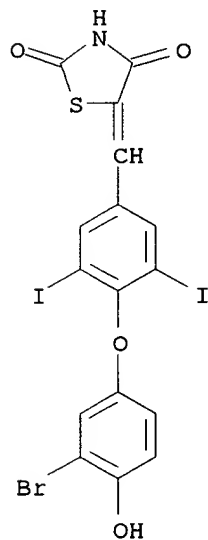


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS

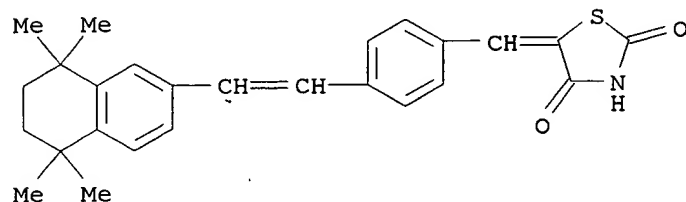
IN 2,4-Thiazolidinedione, 5-[[4-(3-bromo-4-hydroxyphenoxy)-3,5-diiodophenyl]methylene]- (9CI)

MF C16 H8 Br I2 N O4 S



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS
IN 2,4-Thiazolidinedione,
5-[[4-[2-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)ethenyl]phenyl]methylene]- (9CI)
MF C26 H27 N O2 S



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l1 ful

FULL SEARCH INITIATED 07:26:35 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 12017 TO ITERATE

100.0% PROCESSED 12017 ITERATIONS
SEARCH TIME: 00.00.01

4976 ANSWERS

L3 4976 SEA SSS FUL L1

=> file ca,uspatful

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	126.90	127.05

FILE 'CA' ENTERED AT 07:26:42 ON 02 OCT 2000
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE 'USPATFULL' ENTERED AT 07:26:42 ON 02 OCT 2000
CA INDEXING COPYRIGHT (C) 2000 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l3

L4 1435 L3

=> s inflammat? or antiinflammat? or tnf? or tumor necrosis factor?

L5 177003 INFLAMMAT? OR ANTIINFLAMMAT? OR TNF? OR TUMOR NECROSIS FACTOR?

=> s l4(l)l5

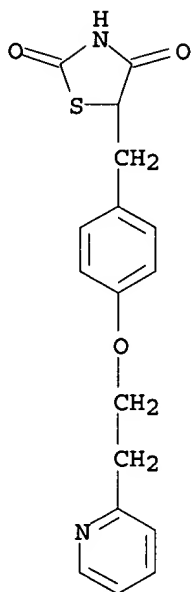
L6 40 L4(L) L5

=> dup rem l6

PROCESSING COMPLETED FOR L6
L7 40 DUP REM L6 (0 DUPLICATES REMOVED)

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 105167-68-8 REGISTRY
CN 2,4-Thiazolidinedione, 5-[[4-[2-(ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-
(9CI) (CA INDEX NAME)
MF C19 H20 N2 O3 S
CI IDS
SR CA
LC STN Files: ADISINSIGHT, CA, CAPLUS, USPAT2, USPATFULL

PAGE 1-A



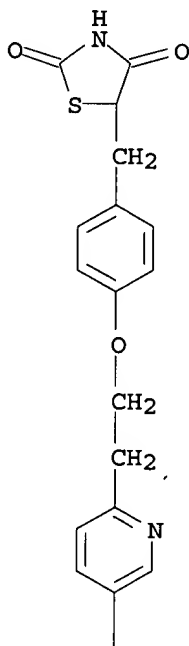
PAGE 2-A

D1-Et

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
 RN 111025-46-8 REGISTRY
 CN 2,4-Thiazolidinedione,
 5-[[4-[2-(5-ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-
 (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2,4-Thiazolidinedione,
 5-[[4-[2-(5-ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-
 , (.+-.)-
 OTHER NAMES:
 CN Pioglitazone
 CN U 72107
 FS 3D CONCORD
 DR 105355-27-9, 198077-89-3
 MF C19 H20 N2 O3 S
 CI COM
 SR US Adopted Names Council
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB,
 CEN, CHEMCATS, CIN, CSCHEM, DDFU, DIOGENES, DRUGNL, DRUGPAT, DRUGU,
 DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK*, PHAR, PROMT, SYNTHLINE,
 TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: WHO

PAGE 1-A



instant compound

PAGE 2-A

Et

L21 ANSWER 20 OF 39 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1994:161755 CAPLUS

DOCUMENT NUMBER: 120:161755

TITLE: manufacture of pioglitazone metabolites with a novel
Streptomyces hygroscopicus

INVENTOR(S): Johnson, Roy A.; Marshall, Vincent P.; Li, Grace P.

PATENT ASSIGNEE(S): Upjohn Co., USA

SOURCE: PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

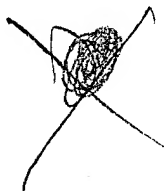
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

X

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9322445	A1	19931111	WO 1993-US3569	19930421
W: AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9341045	A1	19931129	AU 1993-41045	19930421
PRIORITY APPLN. INFO.:			US 1992-878952	19920505
			US 1992-882056	19920513
			WO 1993-US3569	19930421



L21 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1993:6971 CAPLUS

DOCUMENT NUMBER: 118:6971

TITLE: Preparation of ether-containing 2,4-thiazolinedione derivatives

INVENTOR(S): Arita, Miichiro; Mizuno, Yukio

PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 7 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 506273	A2	19920930	EP 1992-302233	19920316
EP 506273	A3	19930113		
EP 506273	B1	19950531		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, PT, SE				
CA 2063851	AA	19920926	CA 1992-2063851	19920324
JP 05112483	A2	19930507	JP 1992-66368	19920324
US 5554758	A	19960910	US 1995-474133	19950607
PRIORITY APPLN. INFO.:			JP 1991-60208	19910325
			US 1992-855798	19920323
			US 1993-121291	19930915
			US 1994-352184	19941201

OTHER SOURCE(S): MARPAT 118:6971

check out "X" in PCT search Report

for the other compound, the name & structure of that comp.

search inventor

& assignee

check out all related patent(s) listed in file jacket

go

check this file STM

09485640YCEI

=> e takeda/pa

E1 2 TAKED/PA
E2 1 TAKED A CHEMICAL INDS/PA
E3 13830 --> TAKEDA/PA
E4 29 TAKEDA A/PA
E5 1 TAKEDA BADISCHE URETHANE IND LTD/PA
E6 10 TAKEDA BADISCHE URETHANE KOGYO KK/PA
E7 1 TAKEDA BADISCHEURE/PA
E8 1 TAKEDA BADISHURETAN KOGY/PA
E9 1 TAKEDA BRUSH SEISAKUSHO YG/PA
E10 3 TAKEDA C/PA
E11 1 TAKEDA CHEICAL INDUSTRIES LTD/PA
E12 2 TAKEDA CHEM/PA

=> s e3-e12

L22 13830 (TAKEDA/PA OR "TAKEDA A"/PA OR "TAKEDA BADISCHE URETHANE IND LTD"/PA OR "TAKEDA BADISCHE URETHANE KOGYO KK"/PA OR "TAKEDA BADISCHEURE"/PA OR "TAKEDA BADISHURETAN KOGY"/PA OR "TAKEDA BRUSH SEISAKUSHO YG"/PA OR "TAKEDA C"/PA OR "TAKEDA CHEICAL INDUSTRIES LTD"/PA OR "TAKEDA CHEM"/PA)

=> s l22 and (thiazolidinedione)

L23 143 L22 AND (THIAZOLIDINEDIONE)

=> s l23 not py>=1998

L24 42 L23 NOT PY>=1998

=> s l23 not py>=1997

L25 32 L23 NOT PY>=1997

=> d ibib 1-32

L25 ANSWER 1 OF 32 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 749751 EUROPATFULL EW 199652 FS OS
TITLE: Pharmaceutical composition for use in tteatment of diabetes.
Pharmazeutische Zubereitung zur Verwendung in der Behandlung von Diabetes.
Composition pharmaceutique pour utilisation dans le traitement du diabete.
INVENTOR(S): Ikeda, Hitoshi, 3-13-712, Nishiiwata 3-chome, Higashiosaka, Osaka 578, JP;
Sohda, Takashi, 27-20, Higashikanmaki 2-chome, Takatsuki, Osaka 569, JP;
Odaka, Hiroyuki, 12-20, Katsuragi 2-chome, Kita-ku, Kobe, Hyogo 651-12, JP
PATENT ASSIGNEE(S): **TAKEDA** CHEMICAL INDUSTRIES, LTD., 1-1, Doshomachi 4-chome, Chuo-ku, Osaka 541, JP
PATENT ASSIGNEE NO: 204706
AGENT: Dowden, Marina, Elkington and Fife Prospect House, 8 Pembroke Road, Sevenoaks, Kent TN13 1XR, GB
AGENT NUMBER: 76001
OTHER SOURCE: ESP1996070 EP 0749751 A2 961227
SOURCE: Wila-EPZ-1996-H52-T1b
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R NL; R PT; R SE

PATENT INFO.PUB.TYPE: EPA2 EUROPÄISCHE PATENTANMELDUNG

PATENT INFORMATION:

PATENT NO	KIND	DATE
EP 749751	A2	19961227
		19961227
EP 1996-304570		19960620
JP 1995-153500		19950620

'OFFENLEGUNGS' DATE:

APPLICATION INFO.:

PRIORITY APPLN. INFO.:

L25 ANSWER 2 OF 32 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 710659 EUROPATFULL EW 199619 FS OS STA R
TITLE: Oxazolidinedione derivatives, their production and use.
Oxazolidindion-Derivate, ihre Herstellung und
Verwendung.

INVENTOR(S):

Derives d'oxazolidinedione, leur fabrication et leur
application.

Sohda, Takashi, 27-20, Higashikanmaki 2-chome,
Takatsuki, Osaka 569, JP;
Odaka, Hiroyuki, 12-12, Katsuragi 2-chome, Kita-ku,
Kobe, Hyogo 651-12, JP;
Momose, Yu, 2-1-213, Sumiregaoka 3-chome, Takarazuka,
Hyogo 665, JP;
Kawada, Mitsuru, 25-3, Tsukaguchicho 4-chome,

Amagasaki,

Hyogo 661, JP

PATENT ASSIGNEE(S): **TAKEDA** CHEMICAL INDUSTRIES, LTD., 1-1,
Doshomachi 4-chome, Chuo-ku, Osaka 541, JP

PATENT ASSIGNEE NO: 204706

AGENT: Lewin, John Harvey, ELKINGTON AND FIFE Prospect House,
8

Pembroke Road, Sevenoaks, Kent, TN13 1XR, GB

AGENT NUMBER: 33034

OTHER SOURCE: ESP1996024 EP 0710659 A1 960508

SOURCE: Wila-EPZ-1996-H19-T1a

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R NL; R PT; R SE

PATENT INFO.PUB.TYPE: EPA1 EUROPÄISCHE PATENTANMELDUNG

PATENT INFORMATION:

PATENT NO	KIND	DATE
EP 710659	A1	19960508
		19960508
EP 1995-307793		19951101
JP 1994-269826		19941102
JP 1995-171768		19950707
JP 1995-220942		19950829

'OFFENLEGUNGS' DATE:

APPLICATION INFO.:

PRIORITY APPLN. INFO.:

L25 ANSWER 3 OF 32 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 522606 EUROPATFULL EW 199302 FS OS STA B

TITLE: Pyridine derivatives, their production and use.

Pyridinderivate, ihre Herstellung und Anwendung.
 Derives de pyridine, leur preparation et utilisation.
 Takatani, Muneo, 6-1 Taniguchisono-machi, Ukyo-ku,
 Kyoto

616, JP;
 Saijo, Taketoshi, 5-9 Fushiodai 2-chome, Ikeda, Osaka
 563, JP;
 Tomimatsu, Kiminori, E-104, 7 Nyoidani 3-chome, Minoo,
 Osaka 562, JP

PATENT ASSIGNEE(S): **TAKEDA** CHEMICAL INDUSTRIES, LTD., 1-1,
 Doshomachi 4-chome, Chuo-ku, Osaka 541, JP

PATENT ASSIGNEE NO: 204706

AGENT: von Kreisler, Alek, Dipl.-Chem. et al, Patentanwaelte
 von Kreisler, Selting, Werner, Deichmannhaus am
 Hauptbahnhof, W-5000 Koeln 1, DE

AGENT NUMBER: 12434

OTHER SOURCE: ESP1993002 EP 0522606 A2 930113

SOURCE: Wila-EPZ-1993-H02-T1a

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R
 IT; R LI; R LU; R NL; R PT; R SE

PATENT INFO.PUB.TYPE: EPA2 EUROPAEISCHE PATENTANMELDUNG

PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 522606	A2 19930113
'OFFENLEGUNGS' DATE:		19930113
APPLICATION INFO.:	EP 1992-201288	19920507
PRIORITY APPLN. INFO.:	JP 1991-105691	19910510

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 522606 EUROPATFULL EW 199614 FS PS

TITLE: Pyridine derivatives, their production and use.
 Pyridinderivate, deren Herstellung und Anwendung.
 Derives de pyridine, leur preparation et utilisation.

INVENTOR(S): Takatani, Muneo, 6-1 Taniguchisono-machi, Ukyo-ku,
 Kyoto

616, JP;
 Saijo, Taketoshi, 5-9 Fushiodai 2-chome, Ikeda, Osaka
 563, JP;
 Tomimatsu, Kiminori, E-104, 7 Nyoidani 3-chome, Minoo,
 Osaka 562, JP

PATENT ASSIGNEE(S): **TAKEDA** CHEMICAL INDUSTRIES, LTD., 1-1,
 Doshomachi 4-chome, Chuo-ku, Osaka 541, JP

PATENT ASSIGNEE NO: 204706

AGENT: von Kreisler, Alek, Dipl.-Chem. et al, Patentanwaelte
 von Kreisler-Selting-Werner Postfach 10 22 41, D-50462
 Koeln, DE

AGENT NUMBER: 12434

OTHER SOURCE: EPB1996023 EP 0522606 B1 960403

SOURCE: Wila-EPS-1996-H14-T1

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R
 IT; R LI; R LU; R NL; R PT; R SE

PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT

PATENT INFORMATION:

PATENT NO	KIND DATE
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 EP 522606 B1 19960403
 'OFFENLEGUNGS' DATE: 19930113
 APPLICATION INFO.: EP 1992-201288 19920507
 PRIORITY APPLN. INFO.: JP 1991-105691 19910510
 REFERENCE PAT. INFO.: EP 103503 A EP 177907 A
 US 3687959 A US 4786644 A
 REF. NON-PATENT-LIT.: CHEMICAL ABSTRACTS, vol. 85, no. 14, 4 October 1976,
 Columbus, Ohio, US; abstract no. 99178d, G. KALOPISSIS
 ET AL. 'Cysteamine derivatives for oral treatment of
 seborrhea.' page 325 CHEMICAL ABSTRACTS, vol. 61, no.

1,
 6 July 1964, Columbus, Ohio, US; abstract no. 638g,
 I.KH. FEL DMAN ET AL. 'Synthesis in the pyridine
 series.

III. Synthesis of quaternary derivatives of
 beta-aminoethyl pyridyl sulfides'

L25 ANSWER 4 OF 32 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 506273 EUROPATFULL EW 199240 FS OS STA B
 TITLE: Method for producing ethers.
 Verfahren zur Herstellung von Ethern.
 Procédé pour la préparation d'ethers.
 INVENTOR(S): Arita, Miichiro, 4-5, Tomigaoka 4-chome, Nara, Nara
 631,
 JP;
 Mizuno, Yukio, 28-13, Shinkofudai 3-chome, Toyono-cho,
 Toyono-gun, Osaka 563-01, JP
 PATENT ASSIGNEE(S): TAKEDA CHEMICAL INDUSTRIES, LTD., 1-1,
 Doshomachi 4-chome, Chuo-ku, Osaka 541, JP
 PATENT ASSIGNEE NO: 204706
 AGENT: Laredo, Jack Joseph, Elkington and Fife Prospect House
 8
 Pembroke Road, Sevenoaks, Kent TN13 1XR, GB
 AGENT NUMBER: 32841
 OTHER SOURCE: ESP1992068 EP 0506273 A2 920930
 SOURCE: Wila-EPZ-1992-H40-T1
 DOCUMENT TYPE: Patent
 LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
 DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R
 IT; R LI; R LU; R NL; R PT; R SE
 PATENT INFO.PUB.TYPE: EPA2 EUROPAEISCHE PATENTANMELDUNG
 PATENT INFORMATION:

PATENT NO	KIND DATE
EP 506273	A2 19920930
	19920930
EP 1992-302233	19920316
JP 1991-60208	19910325

'OFFENLEGUNGS' DATE: 19920930
 APPLICATION INFO.: EP 1992-302233 19920316
 PRIORITY APPLN. INFO.: JP 1991-60208 19910325

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 506273 EUROPATFULL EW 199522 FS PS STA B
 TITLE: Method for producing ethers.
 Verfahren zur Herstellung von Ethern.
 Procédé pour la préparation d'ethers.
 INVENTOR(S): Arita, Miichiro, 4-5, Tomigaoka 4-chome, Nara, Nara
 631,

JP;
Mizuno, Yukio, 28-13, Shinkofudai 3-chome, Toyono-cho,
Toyono-gun, Osaka 563-01, JP
PATENT ASSIGNEE(S): **TAKEDA** CHEMICAL INDUSTRIES, LTD., 1-1,
Doshomachi 4-chome, Chuo-ku, Osaka 541, JP
PATENT ASSIGNEE NO: 204706
AGENT: Laredo, Jack Joseph, Elkington and Fife Prospect House
8
Pembroke Road, Sevenoaks, Kent TN13 1XR, GB
AGENT NUMBER: 32841
OTHER SOURCE: EPB1995042 EP 0506273 B1 950531
SOURCE: Wila-EPS-1995-H22-T1
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R
IT; R LI; R LU; R NL; R PT; R SE
PATENT INFO.PUB.TYPE: EPB1 EUROPÄISCHE PATENTSCHRIFT
PATENT INFORMATION:

	PATENT NO	KIND	DATE

	EP 506273	B1	19950531
'OFFENLEGUNGS' DATE:			19920930
APPLICATION INFO.:	EP 1992-302233		19920316
PRIORITY APPLN. INFO.:	JP 1991-60208		19910325
REFERENCE PAT. INFO.:	EP 113587 A	EP 257781	A
	EP 356214 A	GB 2124227	A
REF. NON-PATENT-LIT.:	BULLETIN DE LA SOCIETE CHIMIQUE DE FRANCE no. 6, 1987, PARIS FR pages 1027 - 1035 A. LOUPY ET AL. 'Ameliorations et simplifications de la synthese des ethers phenoliques par alkylolation d'ions phenates: catalyse par transfert de phase solide-liquide sans solvant'		

L25 ANSWER 5 OF 32 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 257781 EUROPATFULL EW 198809 FS OS STA B
TITLE: A method for producing **thiazolidinedione**
derivatives.
Verfahren zur Herstellung von Thiazolidinedion-
Derivaten.
Procede de production de derives de
thiazolidinedione.
INVENTOR(S): Meguro, Kanji, 2-21, Mondosou Nishinomiya, Hyogo 662,
JP;
Fujita, Takeshi, 13-15, Nagaodai 1-chome Takarazuka,
Hyogo 665, JP;
Hatanaka, Chitoshi, C2-304, 3 Takenodai Nagaokakyo,
Kyogo 617, JP;
Ooi, Satoru, 50-1, Yamadaminami Suita, Osaka 565, JP
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., 27,
Doshomachi 2-chome Higashi-ku, Osaka-shi Osaka, 541, JP
PATENT ASSIGNEE NO: 204703
AGENT: Lewin, John Harvey, et al, Elkington and Fife High
Holborn House 52/54 High Holborn, London WC1V 6SH, GB
OTHER SOURCE: ESP1988008 EP 0257781 A1 880302
SOURCE: Wila-EPZ-1988-H09-T1
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R ES; R FR; R GB; R GR; R IT; R LI; R LU; R NL; R SE
PATENT INFO.PUB.TYPE: EPA1 EUROPÄISCHE PATENTANMELDUNG
PATENT INFORMATION:

	PATENT NO	KIND	DATE
	EP 257781	A1	19880302
'OFFENLEGUNGS' DATE:			19880302
APPLICATION INFO.:	EP 1987-306425		19870720
PRIORITY APPLN. INFO.:	JP 1986-174278		19860724

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 257781 EUROPATFULL EW 199138 FS PS STA B
TITLE: A method for producing **thiazolidinedione** derivatives.

Verfahren zur Herstellung von Thiazolidinedion-Derivaten.

Procede de production de derives de **thiazolidinedione**.

INVENTOR(S): Meguro, Kanji, 2-21, Mondosou, Nishinomiya, Hyogo 662, JP;

Fujita, Takeshi, 13-15, Nagaodai 1-chome, Takarazuka, Hyogo 665, JP;

Hatanaka, Chitoshi, C2-304, 3 Takenodai, Nagaokakyo, Kyoto 617, JP;

Ooi, Satoru, 50-1, Yamadaminami, Suita, Osaka 565, JP

PATENT ASSIGNEE(S): **TAKEDA** CHEMICAL INDUSTRIES, LTD., 3-6, Doshomachi 2-chome Chuo-ku, Osaka, JP

PATENT ASSIGNEE NO: 204704

AGENT: Lewin, John Harvey et al, ELKINGTON AND FIFE Beacon House 113 Kingsway, London WC2B 6PP, GB

AGENT NUMBER: 33031

OTHER SOURCE: EPB1991038 EP 0257781 B1 910918

SOURCE: Wila-EPS-1991-H38

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R ES; R FR; R GB; R GR; R IT; R LI; R LU; R NL; R SE

PATENT INFO.PUB.TYPE: EPB1 EUROPÄISCHE PATENTSCHRIFT

	PATENT NO	KIND	DATE
	EP 257781	B1	19910918
'OFFENLEGUNGS' DATE:			19880302
APPLICATION INFO.:	EP 1987-306425		19870720
PRIORITY APPLN. INFO.:	JP 1986-174278		19860724
REFERENCE PAT. INFO.:	EP 155845 A		EP 193256 A

L25 ANSWER 6 OF 32 EUROPATFULL COPYRIGHT 2003 WILA

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 208420 EUROPATFULL EW 199138 FS PS STA B

TITLE: Thiazolidine derivatives, their production and use. Thiazolidinderivate, Verfahren zu deren Herstellung und deren Anwendung.

Derives de thiazolidine, leur preparation et utilisation.

INVENTOR(S): Meguro, Kanji, 2-21, Mondosou Nishinomiya, Hyogo 662,

JP;
 Fujita, Takeshi, 13-15, Nagaodai 1-chome Takarazuka,
 Hyogo 665, JP
 PATENT ASSIGNEE(S): **TAKEDA CHEMICAL INDUSTRIES, LTD., 3-6,**
 Doshomachi 2-chome Chuo-ku, Osaka, JP
 PATENT ASSIGNEE NO: 204704
 AGENT: Lewin, John Harvey et al, ELKINGTON AND FIFE Beacon
 House 113 Kingsway, London WC2B 6PP, GB
 AGENT NUMBER: 33031
 OTHER SOURCE: EPB1991038 EP 0208420 B1 910918
 SOURCE: Wila-EPS-1991-H38
 DOCUMENT TYPE: Patent
 LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
 DESIGNATED STATES: R AT; R BE; R CH; R DE; R FR; R GB; R IT; R LI; R LU; R
 NL; R SE
 PATENT INFO.PUB.TYPE: EPB1 EUROPÄISCHE PATENTSCHRIFT
 PATENT INFORMATION:

PATENT NO	KIND	DATE
EP 208420	B1	19910918
		19870114
APPLICATION INFO.:	EP 1986-304413	19860610
PRIORITY APPLN. INFO.:	JP 1985-126626	19850610
REFERENCE PAT. INFO.:	EP 8203 A	EP 139421 A
	EP 177353 A	
REF. NON-PATENT-LIT.:	Chem. Pharm. Bull. 30 (1982), pp. 3563,3580,3886	

L25 ANSWER 7 OF 32 PCTFULL COPYRIGHT 2003 Univentio
 ACCESSION NUMBER: 1996005186 PCTFULL ED 20020514
 TITLE (ENGLISH): **THIAZOLIDINEDIONE DERIVATIVES, THEIR**
 PRODUCTION AND USE
 TITLE (FRENCH): DERIVES DE LA THIAZOLIDINDIONE, LEUR PROCEDE
 D'OBTENTION ET LEURS UTILISATIONS
 INVENTOR(S): SOHDA, Takashi;
 ODAKA, Hiroyuki;
 MOMOSE, Yu
 PATENT ASSIGNEE(S): **TAKEDA CHEMICAL INDUSTRIES, LTD.;**
 SOHDA, Takashi;
 ODAKA, Hiroyuki;
 MOMOSE, Yu
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9605186	A1	19960222
DESIGNATED STATES	W:	
	AM AU BB BG BR BY CA CN CZ EE FI GE HU IS KG KR KZ LK LR LT LV MD MG MN MX NO NZ PL RO RU SG SI SK TJ TM TT UA US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG	
APPLICATION INFO.:	WO 1995-JP1579	A 19950809
PRIORITY INFO.:	JP 1994-6/188611	19940810

L25 ANSWER 8 OF 32 PCTFULL COPYRIGHT 2003 Univentio
 ACCESSION NUMBER: 1995035296 PCTFULL ED 20020514
 TITLE (ENGLISH): **CONDENSED IMIDAZOLE COMPOUNDS, THEIR PRODUCTION AND**
 USE
 TITLE (FRENCH): COMPOSES D'IMIDAZOLE CONDENSES, LEUR PRODUCTION ET

INVENTOR(S):	UTILISATION TAKATANI, Muneo; IKEDA, Hitoshi; IIDA, Kyoko; ABE, Hidenori									
PATENT ASSIGNEE(S):	TAKEDA CHEMICAL INDUSTRIES, LTD.; TAKATANI, Muneo; IKEDA, Hitoshi; IIDA, Kyoko; ABE, Hidenori									
LANGUAGE OF PUBL.:	English									
DOCUMENT TYPE:	Patent									
PATENT INFORMATION:										
	<table border="0"> <tr> <th>NUMBER</th> <th>KIND</th> <th>DATE</th> </tr> <tr> <td colspan="3">-----</td> </tr> <tr> <td>WO 9535296</td> <td>A1</td> <td>19951228</td> </tr> </table>	NUMBER	KIND	DATE	-----			WO 9535296	A1	19951228
NUMBER	KIND	DATE								

WO 9535296	A1	19951228								
DESIGNATED STATES										
W:	AM AU BB BG BR BY CA CN CZ EE FI GE HU IS KG KR KZ LK LR LT LV MD MG MN MX NO NZ PL RO RU SG SI SK TJ TM TT UA US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG									
APPLICATION INFO.:	WO 1995-JP1192 A 19950615									
PRIORITY INFO.:	JP 1994-6/137600 19940620									
	JP 1995-7/64128 19950324									
L25 ANSWER 9 OF 32	PCTFULL COPYRIGHT 2003 Univentio									
ACCESSION NUMBER:	1992018501 PCTFULL ED 20020513									
TITLE (ENGLISH):	THIAZOLIDINEDIONE DERIVATIVES, PRODUCTION AND USE THEREOF									
TITLE (FRENCH):	DERIVES DE THIAZOLIDINEDIONE , PRODUCTION ET UTILISATION DESDITS DERIVES									
INVENTOR(S):	SOHDA, Takashi; IKEDA, Hitoshi; GREENFIELD, John, C.; COLCA, Jerry, R.; PETZOLD, Edgar, N.									
PATENT ASSIGNEE(S):	THE UPJOHN COMPANY; TAKEDA CHEMICAL INDUSTRIES, LTD.; SOHDA, Takashi; IKEDA, Hitoshi; GREENFIELD, John, C.; COLCA, Jerry, R.; PETZOLD, Edgar, N.									
LANGUAGE OF PUBL.:	English									
DOCUMENT TYPE:	Patent									
PATENT INFORMATION:										
	<table border="0"> <tr> <th>NUMBER</th> <th>KIND</th> <th>DATE</th> </tr> <tr> <td colspan="3">-----</td> </tr> <tr> <td>WO 9218501</td> <td>A1</td> <td>19921029</td> </tr> </table>	NUMBER	KIND	DATE	-----			WO 9218501	A1	19921029
NUMBER	KIND	DATE								

WO 9218501	A1	19921029								
DESIGNATED STATES										
W:	AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI FR GA GB GN GR HU IT KP KR LK LU MC MG ML MN MR MW NL NO PL RO RU SD SE SN TD TG US									
APPLICATION INFO.:	WO 1992-US2566 A 19920406									
PRIORITY INFO.:	JP 1991-3/78836 19910411									
L25 ANSWER 10 OF 32	PCTFULL COPYRIGHT 2003 Univentio									
ACCESSION NUMBER:	1986006069 PCTFULL ED 20020507									
TITLE (ENGLISH):	THIAZOLIDINEDIONE DERIVATIVES, PROCESS FOR									

TITLE (FRENCH): THEIR PREPARATION AND MEDICINAL COMPOSITION CONTAINING SAME
 INVENTOR(S): DERIVES DE **THIAZOLIDINEDIONE**, LEUR PROCEDE DE PREPARATION ET COMPOSITION MEDICINALE LES CONTENANT
 PATENT ASSIGNEE(S): MEGURO, Kanji;
 LANGUAGE OF PUBL.: FUJITA, Takeshi
 DOCUMENT TYPE: **TAKEDA CHEMICAL INDUSTRIES, LTD.**
 PATENT INFORMATION: Japanese
 Patent

	NUMBER	KIND	DATE

DESIGNATED STATES	WO 8606069	A1	19861023
W:	MC		
APPLICATION INFO.:	WO 1985-JP179	A	19850409

L25 ANSWER 11 OF 32 PCTFULL COPYRIGHT 2003 Univentio
 ACCESSION NUMBER: 1986002073 PCTFULL ED 20020507
 TITLE (ENGLISH): **THIAZOLIDINEDIONE** DERIVATIVES, PROCESS FOR
 THEIR PREPARATION, AND PHARMACEUTICAL COMPOSITION
 CONTAINING SAME
 TITLE (FRENCH): DERIVES DE **THIAZOLIDINEDIONE**, PROCEDE DE
 PREPARATION ET COMPOSITION PHARMACEUTIQUE LES

CONTENANT
 INVENTOR(S): MEGURO, Kanji;
 FUJITA, Takeshi
 PATENT ASSIGNEE(S): **TAKEDA CHEMICAL INDUSTRIES, LTD.**
 LANGUAGE OF PUBL.: Japanese
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

	NUMBER	KIND	DATE

DESIGNATED STATES	WO 8602073	A1	19860410
W:	MC		
APPLICATION INFO.:	WO 1984-JP466	A	19841003

L25 ANSWER 12 OF 32 PCTFULL COPYRIGHT 2003 Univentio
 ACCESSION NUMBER: 1985004171 PCTFULL ED 20020507
 TITLE (ENGLISH): **THIAZOLIDINEDIONE** DERIVATIVES, PROCESS FOR
 THEIR PREPARATION, AND MEDICINAL COMPOSITIONS
 CONTAINING SAME
 TITLE (FRENCH): DERIVES DE **THIAZOLIDINEDIONE**, LEUR PROCEDE DE
 PREPARATION ET COMPOSITIONS MEDICINALES LES CONTENANT
 INVENTOR(S): MEGURO, Kanji;
 FUJITA, Takeshi
 PATENT ASSIGNEE(S): **TAKEDA CHEMICAL INDUSTRIES, LTD.;**
 MEGURO, Kanji;
 FUJITA, Takeshi
 LANGUAGE OF PUBL.: Japanese
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

	NUMBER	KIND	DATE

DESIGNATED STATES	WO 8504171	A1	19850926
W:	MC US		
APPLICATION INFO.:	WO 1984-JP445	A	19840914
PRIORITY INFO.:	US 1984-PCT/JP84/00117		19840321

L25 ANSWER 13 OF 32 PCTFULL COPYRIGHT 2003 Univentio
ACCESSION NUMBER: 1985004170 PCTFULL ED 20020507
TITLE (ENGLISH): **THIAZOLIDINEDIONE** DERIVATIVES, PROCESS FOR
THEIR PREPARATION, AND MEDICINAL COMPOSITION

CONTAINING

SAME
TITLE (FRENCH): DERIVES DE **THIAZOLIDINEDIONE**, LEUR PROCEDE DE
PREPARATION ET COMPOSITIONS MEDICINALES LES CONTENANT
INVENTOR(S): MEGURO, Kanji;
FUJITA, Takeshi
PATENT ASSIGNEE(S): **TAKEDA CHEMICAL INDUSTRIES, LTD.**;
MEGURO, Kanji;
FUJITA, Takeshi
LANGUAGE OF PUBL.: Japanese
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE

WO 8504170	A1	19850926

DESIGNATED STATES

W: MC US
APPLICATION INFO.: WO 1984-JP117 A 19840321

L25 ANSWER 14 OF 32 USPATFULL

ACCESSION NUMBER: 96:89860 USPATFULL
TITLE: Pyridine derivatives, their production and use
INVENTOR(S): Takatani, Muneo, Kyoto, Japan
Saijo, Taketoshi, Ikeda, Japan
Tomimatsu, Kiminori, Minoo, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE

PATENT INFORMATION:	US 5561147		19961001
APPLICATION INFO.:	US 1995-455170		19950531 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-334221, filed on 4 Nov 1994, now patented, Pat. No. US 5457106 which is a division of Ser. No. US 1993-81181, filed on 24 Jun 1993, now patented, Pat. No. US 5389658 which is a division of Ser. No. US 1992-880641, filed on 7 May 1992, now patented, Pat. No. US 5246948		

	NUMBER	DATE

PRIORITY INFORMATION:	JP 1991-105691	19910510
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Richter, Johann	
ASSISTANT EXAMINER:	Peabody, John	
LEGAL REPRESENTATIVE:	Foley & Lardner	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1	
LINE COUNT:	6270	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L25 ANSWER 15 OF 32 USPATFULL

ACCESSION NUMBER: 96:82829 USPATFULL
TITLE: Method for producing ethers

INVENTOR(S): Mizuno, Yukio, Toyono-gun, Japan
Arita, Miichiro, Nara, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5554758		19960910
APPLICATION INFO.:	US 1995-474133		19950607 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-352184, filed on 1 Dec 1994, now abandoned which is a continuation of Ser. No. US 1993-121291, filed on 15 Sep 1993, now abandoned which is a continuation of Ser. No. US 1992-855798, filed on 23 Mar 1992, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-60208	19910325
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Trinh, Ba Kim	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	427	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L25 ANSWER 16 OF 32 USPATFULL

ACCESSION NUMBER: 96:11146 USPATFULL
TITLE: **Thiazolidinedione** derivatives, their
production and use
INVENTOR(S): Sohda, Takashi, Takatsuki, Japan
Ikeda, Hitoshi, Higashiosaka, Japan
Imai, Sachiko, Kyoto, Japan
Momose, Yu, Takarazuka, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5489602		19960206
APPLICATION INFO.:	US 1995-376529		19950123 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-171694, filed on 22 Dec 1993, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1992-348568	19921228
	JP 1993-180996	19930722
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Fan, Jane	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1167	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L25 ANSWER 17 OF 32 USPATFULL

ACCESSION NUMBER: 95:90530 USPATFULL
TITLE: Pyridine derivatives, their production and use
INVENTOR(S): Takatani, Muneo, Kyoto, Japan
Saijo, Taketoshi, Ikeda, Japan
Tomimatsu, Kiminori, Minoo, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5457106		19951010
APPLICATION INFO.:	US 1994-334221		19941104 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-81181, filed on 24 Jun 1993, now patented, Pat. No. US 5389658 which is a division of Ser. No. US 1992-880641, filed on 7 May 1992, now patented, Pat. No. US 5246948		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-105691	19910510
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Richter, Johann	
ASSISTANT EXAMINER:	Peabody, John	
LEGAL REPRESENTATIVE:	Foley & Lardner	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
LINE COUNT:	6415	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L25 ANSWER 18 OF 32 USPATFULL

ACCESSION NUMBER: 95:73652 USPATFULL
TITLE: **Thiazolidinedione** derivatives, production and use thereof
INVENTOR(S): Sohda, Takashi, Osaka, Japan
Ikeda, Hitoshi, Osaka, Japan
Greenfield, John C., Richland, MI, United States
Colca, Jerry R., Texas Township, MI, United States
Petzold, Edgar N., Plainwell, MI, United States
PATENT ASSIGNEE(S): The Upjohn Company, Kalamazoo, MI, United States (U.S. corporation)
Takeda Chemical Industries, Ltd., Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5441971		19950815
	WO 9218501		19921029
APPLICATION INFO.:	US 1993-137135		19931012 (8)
	WO 1992-US2566		19920406
			19931012 PCT 371 date
			19931012 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-78836	19910411
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Fan, Jane	

LEGAL REPRESENTATIVE: Welch, Lawrence T.
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
LINE COUNT: 696
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 19 OF 32 USPATFULL

ACCESSION NUMBER: 95:13891 USPATFULL
TITLE: Pyridine derivatives, their production and use
INVENTOR(S): Takatani, Muneo, Kyoto, Japan
Saijo, Taketoshi, Ikeda, Japan
Tomimatsu, Kiminori, Minoo, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5389658		19950214
APPLICATION INFO.:	US 1993-81181		19930624 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1992-880641, filed on 7 May 1992, now patented, Pat. No. US 5246948		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-105691	19910510
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Richter, Johann	
ASSISTANT EXAMINER:	Peabody, John	
LEGAL REPRESENTATIVE:	Wegner, Cantor, Mueller & Player	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
LINE COUNT:	6263	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 20 OF 32 USPATFULL

ACCESSION NUMBER: 93:78793 USPATFULL
TITLE: Pyridine derivatives, their production and use
INVENTOR(S): Takatani, Muneo, Kyoto, Japan
Saijo, Taketoshi, Ikeda, Japan
Tomimatsu, Kiminori, Minoo, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5246948		19930921
APPLICATION INFO.:	US 1992-880641		19920507 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-105691	19910510
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Cintins, Marianne M.	
ASSISTANT EXAMINER:	Peabody, John	
LEGAL REPRESENTATIVE:	Wegner, Cantor, Mueller & Player	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	6276	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 21 OF 32 USPATFULL

ACCESSION NUMBER: 93:8839 USPATFULL
TITLE: Pyridine N-oxide compounds which are useful as
hypoglycemic and hypolipidemic agents
INVENTOR(S): Sohda, Takashi, Takatsuki, Japan
Ikeda, Hitoshi, Higashiosaka, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5183823		19930202
APPLICATION INFO.:	US 1992-861280		19920331 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-78835	19910411
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted.	
PRIMARY EXAMINER:	Ivy, C. Warren	
ASSISTANT EXAMINER:	Davis, Zinna N.	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	9	
LINE COUNT:	302	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 22 OF 32 USPATFULL

ACCESSION NUMBER: 90:9382 USPATFULL
TITLE: Pyridine and **thiazolidinedione** derivatives
INVENTOR(S): Meguro, Kanji, Nishinomiya, Japan
Fujita, Takeshi, Takarazuka, Japan
Hatanaka, Chitoshi, Nagaokakyo, Japan
Ooi, Satoru, Suita, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4898947		19900206
APPLICATION INFO.:	US 1988-291782		19881229 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1987-73695, filed on 19 Jul 1987, now patented, Pat. No. US 4812570		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1986-174278	19860724
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Lee, Mary C.	
ASSISTANT EXAMINER:	Richter, J.	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack	
NUMBER OF CLAIMS:	2	
EXEMPLARY CLAIM:	1,2	
LINE COUNT:	404	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 23 OF 32 USPATFULL

ACCESSION NUMBER: 89:19291 USPATFULL
TITLE: Method for producing **thiazolidinedione**
derivatives
INVENTOR(S): Meguro, Kanji, Nishinomiya, Japan
Fujita, Takeshi, Takarazuka, Japan
Hatanaka, Chitoshi, Nagaokakyo, Japan
Ooi, Satoru, Suita, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4812570		19890314
APPLICATION INFO.:	US 1987-73695		19870714 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1986-174278	19860724
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Lee, Mary C.	
ASSISTANT EXAMINER:	Richter, J.	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
LINE COUNT:	410	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 24 OF 32 USPATFULL
ACCESSION NUMBER: 88:64061 USPATFULL
TITLE: Thiazolidine derivatives, their production and use
INVENTOR(S): Meguro, Kanji, Nishinomiya, Japan
Fujita, Takeshi, Takarazuka, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,
Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4775687		19881004
APPLICATION INFO.:	US 1986-869704		19860602 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1985-126626	19850610
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Gerstl, Robert	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	632	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 25 OF 32 USPATFULL
ACCESSION NUMBER: 88:9924 USPATFULL
TITLE: **Thiazolidinedione** derivatives, their
production and use
INVENTOR(S): Meguro, Kanji, Nishinomiya, Japan
Fujita, Takeshi, Takarazuka, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka,

Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4725610		19880216
APPLICATION INFO.:	US 1985-783628		19851003 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1984-JP466	19841003
	WO 1985-JP179	19850409
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Gerstl, Robert	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1662	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 26 OF 32 USPATFULL

ACCESSION NUMBER: 87:58591 USPATFULL
TITLE: **Thiazolidinedione** derivatives, useful as antidiabetic agents
INVENTOR(S): Meguro, Kanji, Nishinomiya, Japan
Fujita, Takeshi, Takarazuka, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4687777		19870818
APPLICATION INFO.:	US 1986-820390		19860117 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1985-8085	19850119
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Jiles, Henry R.	
ASSISTANT EXAMINER:	Richter, J.	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1,5	
LINE COUNT:	422	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 27 OF 32 USPATFULL

ACCESSION NUMBER: 86:21861 USPATFULL
TITLE: 2,4-**thiazolidinediones**
INVENTOR(S): Meguro, Kanji, Nishinomiya, Japan
Fujita, Takeshi, Takarazuka, Japan
PATENT ASSIGNEE(S): **Takeda** Chemical Industries, Ltd., Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4582839		19860415
APPLICATION INFO.:	US 1985-711536		19850307 (6)
	WO 1984-JP445		19840921

19850307 PCT 371 date
 19850307 PCT 102(e) date
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1984-624689, filed
 on 11 Jun 1984, now abandoned
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Fan, Jane T.
 LEGAL REPRESENTATIVE: Wenderoth, Lind & Ponack
 NUMBER OF CLAIMS: 8
 EXEMPLARY CLAIM: 1
 LINE COUNT: 626
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L25 ANSWER 28 OF 32 WPIDS (C) 2003 THOMSON DERWENT
 ACCESSION NUMBER: 1987-009064 [02] WPIDS
 DOC. NO. CPI: C1987-003434
 TITLE: New thiazolidine cpds., useful as blood sugar lowering
 agents - are 5-(4-(2-(oxazolyl or thiazolyl) alkoxy)
 benzyl) -2,4-thiazolidine -di one derivs..
 DERWENT CLASS: B03 C02
 INVENTOR(S): FUJITA, T; MEGURO, K
 PATENT ASSIGNEE(S): (TAKE) TAKEDA CHEM IND LTD
 COUNTRY COUNT: 16
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 208420	A	19870114	(198702)*	EN	38
R: AT BE CH DE FR GB IT LI LU NL SE					
JP 61286376	A	19861216	(198704)		
HU 43599	T	19871130	(198751)		
US 4775687	A	19881004	(198842)		9
CA 1274523	A	19900925	(199044)		
EP 208420	B	19910918	(199138)		
R: AT BE CH DE FR GB IT LI LU NL SE					
DE 3681517	G	19911024	(199144)		
JP 06000779	B2	19940105	(199404)		11

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 208420	A	EP 1986-304413	19860610
JP 61286376	A	JP 1985-126626	19850610
US 4775687	A	US 1986-869704	19860602
JP 06000779	B2	JP 1985-126626	19850610

FILING DETAILS:

PATENT NO	KIND	PATENT NO
JP 06000779	B2 Based on	JP 61286376

PRIORITY APPLN. INFO: JP 1985-126626 19850610

L25 ANSWER 29 OF 32 WPIDS (C) 2003 THOMSON DERWENT
 ACCESSION NUMBER: 1986-095688 [15] WPIDS
 DOC. NO. CPI: C1986-040726
 TITLE: New 5(4-substd.-benzyl(idene))-2,4-thiazolidone-di one
 derivs. - having blood glucose and lipid lowering

diabetes. activity, useful for treating hyperlipaemia and

DERWENT CLASS: B03
INVENTOR(S): FUJITA, T; MEGURO, K
PATENT ASSIGNEE(S): (MEGU-I) MEGURO K; (TAKE) TAKEDA CHEM IND LTD;
(HITL) HITACHI CONDENSER KK
COUNTRY COUNT: 29
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 177353	A	19860409	(198615)*	EN	66
R: AT BE CH DE FR GB IT LI LU NL SE					
WO 8602073	A	19860410	(198616)	JA	
W: MC					
AU 8548176	A	19860410	(198622)		
JP 61085372	A	19860430	(198624)		
NO 8503902	A	19860428	(198624)		
DK 8504446	A	19860404	(198627)		
FI 8503796	A	19860404	(198633)		
PT 81235	A	19860717	(198640)		
WO 8606069	A	19861023	(198644)	EN	
W: MC					
HU 39439	T	19860929	(198645)		
CN 85107870	A	19860716	(198714)		
ZA 8507448	A	19870326	(198726)		
ES 8706150	A	19870816	(198736)		
US 4725610	A	19880216	(198810)		
ES 8801256	A	19880301	(198816)		
SU 1436876	A	19881107	(198922)		
CA 1263655	A	19891205	(199002)		
SU 1496634	A	19890723	(199004)		
EP 177353	B	19900411	(199015)	EN	
R: AT BE CH DE FR GB IT LI LU NL SE					
DE 3577092	G	19900517	(199021)		
JP 05070626	B	19931005	(199342)		37
KR 9202131	B1	19920312	(199344)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 177353	A	EP 1985-307084	19851003
WO 8602073	A	WO 1985-JP179	19850409
JP 61085372	A	JP 1985-216050	19850927
ZA 8507448	A	ZA 1985-7448	19850926
ES 8706150	A	ES 1985-547507	19851002
US 4725610	A	US 1985-783628	19851003
ES 8801256	A	ES 1986-554559	19860430
SU 1436876	A	SU 1986-4028176	19860929
SU 1496634	A	SU 1985-3966456	19851002
JP 05070626	B	JP 1985-216050	19850927
KR 9202131	B1	KR 1985-7158	19850927

FILING DETAILS:

PATENT NO	KIND	PATENT NO
JP 05070626	B Based on	JP 61085372

PRIORITY APPLN. INFO: WO 1984-JP466 19841003; WO 1985-JP179
19850409

L25 ANSWER 30 OF 32 WPIDS (C) 2003 THOMSON DERWENT
ACCESSION NUMBER: 1986-036993 [06] WPIDS
DOC. NO. CPI: C1986-015549
TITLE: Ophthalmic topical agent for diseases of iris and
ciliary body - contg. 5-(3-ethoxy-4-pentyloxy
phenyl)-2,4-thiazolidine-di one or its salt.
DERWENT CLASS: B03
INVENTOR(S): AWATA, T; KAWAMATSU, Y; MAENAKA, T
PATENT ASSIGNEE(S): (SENP) SENJU PHARM CO; (TAKE) **TAKEDA CHEM IND LTD**
COUNTRY COUNT: 7
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 170237	A	19860205	(198606)*	EN	14
R: DE FR GB IT					
JP 61043114	A	19860301	(198615)		
US 4602026	A	19860722	(198632)		
CA 1265057	A	19900130	(199009)		
JP 02007574	B	19900219	(199011)		
EP 170237	B	19910116	(199103)		
R: DE FR GB IT					
DE 3581332	G	19910221	(199109)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 170237	A	EP 1985-109476	19850727
JP 61043114	A	JP 1984-163923	19840803
US 4602026	A	US 1985-762747	19850730

PRIORITY APPLN. INFO: JP 1984-163923 19840803

L25 ANSWER 31 OF 32 WPIDS (C) 2003 THOMSON DERWENT
ACCESSION NUMBER: 1985-238339 [39] WPIDS
DOC. NO. CPI: C1985-103172
TITLE: New pyridyl ethoxy benzyl-thiazolidine-di one cpds. -
useful in treatment of diabetes and hyperlipaemia.
DERWENT CLASS: B03
INVENTOR(S): FUJITA, T; MEGURO, K
PATENT ASSIGNEE(S): (TAKE) **TAKEDA CHEM IND LTD**
COUNTRY COUNT: 16
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 155845	A	19850925	(198539)*	EN	29
R: AT BE CH DE FR GB IT LI LU NL SE					
WO 8504170	A	19850926	(198540)	JA	
W: MC US					
WO 8504171	A	19850926	(198540)	JA	
W: MC US					
JP 60208980	A	19851021	(198548)		
US 4582839	A	19860415	(198618)		

CA 1263961 A 19891219 (199004)
JP 05070633 B 19931005 (199342) 11

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 155845	A	EP 1985-301895	19850319
WO 8504170	A	WO 1984-JP117	19840321
WO 8504171	A	WO 1984-JP445	19840914
US 4582839	A	US 1985-711536	19850307
JP 05070633	B	JP 1985-41584	19850301

FILING DETAILS:

PATENT NO	KIND	PATENT NO
JP 05070633	B Based on	JP 60208980

PRIORITY APPLN. INFO: WO 1984-JP117 19840321; WO 1984-JP445
19840914

L25 ANSWER 32 OF 32 WPIDS (C) 2003 THOMSON DERWENT
ACCESSION NUMBER: 1966-12675F [00] WPIDS
TITLE: 2 4-thiazolidinedione derivs.
DERWENT CLASS: B00
PATENT ASSIGNEE(S): (TAKE) TAKEDA CHEM IND LTD
COUNTRY COUNT: 1
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
JP 39010345	B		(196800)*		

PRIORITY APPLN. INFO: JP 1961-30615 19610823